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Application No.: 10/068461

Docket No.: CXT-077

AMENDMENT

1-18. (Canceled)

19. (New) A system for incorporating at least one remote window from a remote desktop environment into a local desktop environment comprising:

a first virtual channel coupled to a remote desktop environment and conveying window attribute data associated with a remote window present on the remote desktop environment;

a second virtual channel coupled to the remote desktop environment and receiving application-output data produced by an application program executing in the remote desktop environment; and

a client agent coupled to the remote desktop environment via the first and second virtual channels, the client agent:

establishing a communications link, independent from a browser application, with the application program executing on the remote desktop environment;

receiving for display, without intervention by the browser application, application output produced by the application program via the second virtual channel; and

directing the formation of an application-output window for displaying the received application-output data, the application-output window positioned within a web browser in accordance with the window attribute data received by the first virtual channel.

20. (New) The system of claim 19, wherein the client agent further comprises establishing a communication link that is independent from the browser application between the application program executing on the remote desktop environment and the application window using a window parameter, by which the application output passes from the application program executing on the remote desktop environment to the application-output window without intervention by the browser application.

21. (New) The system of claim 19, wherein the first virtual channel further comprises receiving window attribute data modifiable independently of the web browser

22. (New) The system of claim 19 wherein the client agent further comprises monitoring and responding to events associated with the application-output window.

23. (New) The system of claim 19 wherein the client agent resizes the application-output window in response to an input received by the client agent.

24. (New) The system of claim 19 wherein the client agent forms the first and second virtual channels independently of the web browser.

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25. (New) The system of claim 19 further comprising an unmodified application program generating the application-output data.

26. (New) The system of claim 19 further comprising:

an application object embedded in a web page displayed in the web browser window, the application object including at least one property affecting the application-output window; and

a client agent instantiated in response to the application object and capable of modifying the property of the application object upon receipt of the window attribute information from the second virtual channel.

27. (New) The system of claim 26 wherein the application object is an ActiveX control.

28. (New) The system of claim 19 wherein the application-output window is a child window of a web browser window.

29. (New) The system of claim 19 further comprising a plurality of application-output windows positioned within the web browser window, each of the application-output windows displaying application-output data received from a different application server.

30. (New) The system of claim 19 further comprising a combined windows list being formed and maintained by the client agent, the combined windows list representing a modifiable z-order of the application-output window in the local desktop environment.

31. (New) The system of claim 19 wherein the window attribute data associated with the remote window and conveyed by the second virtual channel includes the size and z-order of the remote window.

32. (New) The system of claim 19 further comprising a local operating system forming the local desktop environment, the client agent periodically polling the local operating system to detect an attribute change in the corresponding window, wherein the client agent transmits a message to the remote desktop environment indicative of the attribute change.

33. (New) The system of claim 19 wherein the application-output window exhibits window attribute data substantially similar relative to the local desktop environment as the window attribute data of the remote window relative to the remote desktop environment.

34. (New) The system of claim 19 further comprising a plurality of communication links coupling the local desktop environment with a plurality of remote desktop environments, the communication links including first and second virtual channels conveying graphical and window attribute data associated with remote windows from the plurality of remote desktop

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environments to the client agent, wherein the client agent forms application-output windows in the local desktop environment corresponding to each of the plurality of remote windows.

35. (New) A method for incorporating at least one remote window from a remote desktop environment into a local desktop environment, the method comprising:

(a) establishing, by a client agent, a communications link independent from a browser application, with an application program executing on a remote desktop environment;

(b) sending, by the client agent, commands to the remote desktop environment to begin execution of the application program;

(c) receiving, by a first virtual channel coupled to the remote desktop environment window and independent of the browser application, attribute data associated with a remote window present on the remote desktop environment;

(d) receiving, by a second virtual channel coupled to the remote desktop environment, application-output data, the second virtual channel independent of the browser application;

(e) directing, by the client agent coupled to the remote desktop environment via the first and second virtual channels, the formation of an application-output window in accordance with the window attribute data received by the first virtual channel, the application-output window positioned within a web browser window and displaying the application-output data received via the second virtual channel.

36. (New) The method of claim 35 further comprising the step of monitoring and responding, by the client agent, to events associated with the application-output window, independently of the web browser.

37. (New) The method of claim 35 further comprising the resizing, by the client agent, the application-output window in response to an input received by the client agent.

38. (New) The method of claim 35 further comprising the step of forming a combined windows list storing at least some of the window attribute data.

39. (New) The method of claim 35 further comprising the step of establishing, independently of the web browser, the first and second virtual channels.

40. (New) The method of claim 35 further comprising the steps of receiving application-output data generated by an unmodified application program.

41. (New) The method of claim 35 further comprising the step of executing a client agent in response to an application object embedded in a web page displayed in the web browser

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window, the client agent establishing in a web page displayed in the web browser window, the client agent establishing the first and second virtual channels independently of the web browser.

42. (New) The method of claim 35 further comprising the step of using the received window attribute data to modify at least one property of the application object, the modified property of the application object triggering a corresponding change in the application-output window.

43. (New) The method of claim 35 further comprising the step of executing a client agent in response to an ActiveX control embedded in a web page displayed in the web browser window, the client agent establishing the first and second virtual channels independently of the web browser.

44. (New) The method of claim 35 further comprising the step of providing a plurality of application-output windows positioned within the web browser window, each of the application-output windows displaying application-output data received from a different application server.

45. (New) The method of claim 35 further comprising the steps of:

polling a local operating system associated with the local desktop environment to detect an attribute change in the corresponding window; and

transmitting a message to the remote desktop environment indicative of the detected attribute change.

46. (New) The method of claim 35 wherein the application-output window exhibits window attribute data substantially similar relative to the local desktop environment as the window attribute data of the remote window relative to the remote desktop environment.

47. (New) A method for incorporating at least one remote window from a remote desktop environment into a local desktop environment and displaying application-output data in the local desktop environment, the method comprising:

(a) transmitting application-output data associated with the remote window via a first virtual channel coupled to the local desktop environment;

(b) transmitting window attribute data associated with the remote window via a second virtual channel coupled to the local desktop environment; and

(c) transmitting messages to the local desktop environment directing the formation of a application-output window in the local desktop environment, the application-output window displaying the application output transmitted via the second virtual channel in accordance with the window attribute data transmitted via the first virtual channel.

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48. (New) The method of claim 47 further comprising the step of forming a combined windows list storing at least some of the window attribute data in response to the transmitted messages.

49. (New) The method of claim 47 further comprising the steps of:

polling a remote operating system associated with the remote desktop environment to detect an attribute change in the remote window; and

transmitting a message to the local desktop environment indicative of the detected attribute change.